

ANNALS OF BIOMEDICAL ENGINEERING

AUTHOR INDEX, VOLUME 17, 1989

- Adamson, Diane, 535
Agnew, William F., 39
Ahearn, Eileen, 192
Ahmed, A.M., 411
Altman, K.W., 313
- Ba, B.B., 633
Barden, H., 177
Barney, Jill A., 507
Bassingthwaight, J.B., 301
Bates, J.H.T., 647
Bear, Jacob, 1
Benner, R., 671
Benson, Robert, 293
Bosse, M., 127
Braakman, Robert, 593
Bullara, Leo A., 39
Bundy, K.J., 159
Burgess, A.R., 127
- Cano, J.P., 633
Cescchi, Jeff, 507
Chapman, F.W., 279
Cherniack, Neil S., 377
Clark, Charles R., 115
Cooper, R.D., 301
- Dong, David Edwin, 183
Drzewiecki, G.M., 325
Dziuban, S.W., 279
- Ebert, Thomas J., 507
Einav, Shmuel, 617
Elad, David, 617
Epstein, M.A.F., 361
Ettinger, M., 177
- Feldman, Dale S., 291
Fuller, H., 483
- Goel, Vijay K., 115
Gothe, Barbara, 377
Gotshall, Robert W., 495
- Harris, Kurt G., 115
Hayes, John, 507
Hodgkin, Brian C., 437
Hogan, Harry A., 295
Horch, Kenneth W., 397
Hu, Chen-Ze, 184
Hull, R., 483
Hurwitz, B.E., 517
Hyman, William A., 195
- Iliadis, A., 633
- Jadvar, Hossein, 193
Jaklitsch, Roman Ruediger, 186
Jarmul, Ed., 423
Jenkins, J. Steven, 93, 185
Johnson, R.W., 61, 657
Jones, M.D., Jr., 13
- Karni, Zvi, 1
Katbab, A., 75
Keurs, H. ter, 483
Khoo, Michael C.K., 557
Kim, Y.E., 115
Knisley, Stephen Bruce, 686
Koehler, R.C., 13
Korenberg, Michael J., 219, 571
Kubicek, W.G., 459
- Lin, Jinn-Nan, 191
Lipetz, Leo E., 423
Llaurado, J.G., 198, 200
Longobardo, Guy S., 377
Lovalo, William R., 475
Leudemann, R., 159, 189
Lyman, D.J., 671
- Malagodi, Mark S., 397
Marmarelis, Vasilis Z., 557
Maskarinac, Gregory J., 233
Mazess, R.B., 177
McCabe, P.M., 517
McCreery, Douglas B., 39

- Mead, Eugene H., 269
Melbin, J., 325
Messinger, J.E., 61
Miles, Daniel S., 495
Miller, Gerald E., 109
Mussivand, Tofigh Varceneh, 190
Muzi, Michael, 507
- Nagal, J.H., 517
Nelson, Clifford V., 437
Newell, J.C., 279
Noordergraaf, A., 325
Normann, R.A., 61, 657
Nowak, Michael D., 685
Nunziata, Enrico, 423
- Ojha, Matadial, 187
Onaral, Banu, 233
- Paarmann, Larry D., 219, 571
Pekar, James J., 289
Perez, Claudio, 423
Pincomb, Gwendolyn A., 475
Plonsey, R., 313
Poka, A., 127
Popel, A.S., 13
- Quinn, J.A., 301
- Raphael, David T., 361
Raskob, G., 483
Rastegar, Sohi, 298
Reddy, Narendra P., 297
Reddy, S.P., 517
- Saha, Subrata, 113, 143
Schmid-Schönbein, Geert W., 269
Schneiderman, N., 517
Schoenberg, Andrew A., 397
- Schulte, Kary R., 115
Sharan, Maithili, 13
Shirazi-Adl, A., 411
Shyu, L.Y., 517
Sipkema, P., 203, 309, 593
Smith, James J., 507
Sohrab, B., 61
Sorek, Shaul, 1
Spence, Richard D., 196
Stewart, S.F.C., 671
Stockbridge, N., 253
Suci, Peter A., 686
Sun, Hun H., 457, 535
Sung, Bong Hee, 475
Sutton, Don W., 269
- Trachtenberg, E.A., 233
Traystman, R.J., 13
Triolo, Philip Michael, 188
- Valcke, Christian P., 93, 186
Van De Water, Joseph M., 457, 535
Vetter, J., 177
Visser, Klaas R., 463
Vossoughi, J., 127
- Wang, Xiang, 535
Ward, Denham S., 93
Weed, Herman R., 423
Westerhof, Nicolaas, 203, 309, 593
Wijesinghe, Ranjith Sriyananda, 191
Williams, Paul Allen, 143
Wilson, Michael F., 475
Wodicka, George Robert, 687
Wood, Virginia C., 495
- Youm, Y., 127
Yuen, Ted G.H., 39

KEYWORD INDEX, VOLUME 17, 1989

- AC impedance, 159
- ARMA, 557
- Acceleration stress, 233
- Action potential, 253
- Active metabolites, 633
- Airway closure, 617
- Anisotropy, 313
- Asphyxia, 377
- Auscultatory method, 325
- Axisymmetric finite element, 411
- Axon, 253

- Biocontrol, 75
- Biomaterial, 159
- Blood pressure measurement, 325
- Blood temperature noise, 61
- Blood, 463
- Bone, 177
- Brain tissue, 1
- Branching networks, 361

- Cancellous bone, 143
- Canine cardiac output, 61
- Capacitance, 143
- Carbon monoxide, 13
- Cardiac output, 61, 517
- Cat, 39
- Central apnea, 377
- Cerebral circulation, 13
- Cerebrovascular fluid, 1
- Compartmental model, 1
- Compliance resistance, 1
- Compliance, 279, 593
- Computer data acquisition, 93
- Computer simulation, 13
- Continuous cardiac output computer, 61
- Control of breathing, 557
- Corrosion rate, 159
- Crank-Nicolson, 253
- Critical care, 495

- Densitometry, 177
- Detection, 233
- Digital correction procedure, 647
- Dipole location, 437
- Dynamic model, 593

- Ejection fraction, 483
- Electrical properties, 143
- Electrical stimulation, 39
- End-diastolic volume, 483
- End-systolic volume, 483
- Ensemble averaging, 536
- Estimation, 233
- Ethyl loflazepate, 633
- Exercise, 507

- Feedback, 269
- Flow limitation, 617
- Flow limitation site, 617
- Flow, 269
- Forced expiration, 617
- Forced vital capacity, 617
- Fracture, 177
- Frequency analysis, 219
- Frequency dependence, 143
- Frequency responses, 647

- Gas exchange, 93

- Hyperventilation, 377

- Impedance cardiography, 459, 463, 475, 483, 507, 517, 536
- Impedance plethysmography, 536
- Indicator dilution, 61
- Instrumentation, 93
- Intensive care unit, 483
- Interface motion, 411
- Intermittent mandatory ventilation, 279
- Intracranial pressure, 1

- Korotkoff sound, 325

- Line scan cameras, 671

- Matched filter, 517
- Mathematical model, 13, 377
- Mechanical properties, 671
- Mechanical ventilation, 279
- Mechanics, 203
- Metabolic rate, 377
- Microcirculation, 13
- Microtubes, 203
- Minnesota Impedance Cardiography (MIC), 536
- Modeling biological data, 219
- Muscle-nervous system modeling, 75

- Nerve trunk, 313
- Neural damage, 39
- Neuroprosthesis, 397
- Noninvasive monitoring, 495
- Nonlinear model, 593
- Nuclear ventriculography, 475

- Optical strain gauging, 671
- Orthogonal search, 219
- Osteoporosis, 177
- Oxygen transport, 13

- Parameters estimation, 557
- Pattern recognition, 517
- Perfusion pump, 269
- Periodic breathing, 377
- Peripheral chemoreceptors, 557
- Peripheral nerve electrode, 39, 397
- Peroneal nerve, 39
- Pharmacokinetic modeling, 633
- Photoclide arrays, 671
- Plasma and urine data, 633
- Porous metals, 159
- Porous tibial implant, 411
- Power consumption, 423
- Pressure, 269
- Pressure-flow relation, 203, 593
- Pressure-volume relation, 593

- Rabbit dipole moment, 437
- Rabbit heart, 437
- Rabbit vectorcardiogram, 437
- Resistance, 143, 593
- Resistivity, 313, 463
- Resonance, 361

- Respiratory physiology, 93
- Review, 483

- Sensitivity, 423
- Sensory recording, 397
- Sighs, 557
- Signal Processing, 517
- Simulation, 203
- Simultaneous treatment, 633
- Sinusoidal series, 219
- Skeletal muscle circulation, 593
- Skeleton, 177
- Sleep, 377
- Source impedance change, 459
- Spine biomechanics, 75
- Steady, 269
- Stroke volume, 475, 483, 495
- Surgical implants, 159
- Swan-Ganz-catheter, 536
- Systolic time intervals, 507

- Tactile sensation, 423
- Tactile stimulation, 423
- Theoretical electrophysiology, 313
- Thermodilution, 61
- Thoracic gas volume, 647
- Thorax inhomogeneity, 437
- Time-series analysis, 219
- Torso motion analysis, 75

- Unsteady, 269

- Vascular waterfall, 593
- Vascular grafts, 671
- Visual evoked potential, 233
- Volume estimation, 361

